

# MATERIAL SAFETY DATA SHEET - MSDS

Product name WATER SOLUBLE CONCENTRATE OXYDE Code 14551811  
YELLOW MONOCOMPONENT  
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## 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : WATER SOLUBLE CONCENTRATE OXYDE YELLOW  
MONOCOMPONENT  
Code : 14551811  
Main recommended uses : Coating for industrial sector (hydrosoluble)  
Address : Rodovia BR 280 - km 50  
CEP 89270-000, Guaramirim - SC  
Telephone : +55 47 3276-4000  
Emergency telephone : 0800 720 8000  
number  
E-mail / site : tintas@weg.net | www.weg.net

## 2. HAZARD IDENTIFICATION

The product does not require classification according to the GHS criteria.

**Other hazard** : Can cause allergic reactions on the skin.

## 3. COMPOSITION AND INFORMATION ABOUT THE INGREDIENTS

**Product type:** : Mixture

## 4. FIRST AID MEASURES

**Inhalation** : Take the victim to fresh air, keeping them rested and warm. If breathing is irregular or has stopped, apply artificial respiration. Do not give anything orally. Seek medical assistance immediately, bringing the product label whenever

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possible.

- Contact with the skin** : Remove all contaminated clothing immediately. Wash affected area with plenty of soap and water.
- Contact with the eyes** : Remove contact lenses, if wearing any. Flush the eyes with running water for at least 15 minutes, holding the eyelids apart. Seek medical assistance immediately, bringing the product label with you.
- Ingestion** : Do not provoke vomiting. Consult with a doctor immediately.
- Most important symptoms and effects, both acute and delayed** : Headaches, dizziness, fatigue and in extreme cases, loss of consciousness.
- Notes for the doctor** : Treat symptomatically. Do not induce vomiting because of risk of aspiration of gastric contents into the lungs. Gastric lavage is recommended when the patient ingests large quantities, more than 5ml of the substance in its pure form. The toxic potential of the quantity consumed must be evaluated in relation to the risk of aspiration during gastric lavage. Activated coal in solution could be useful. However, in some cases the coal induces vomiting.

## 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing methods** : Water in mist form  
 Carbon dioxide (CO<sub>2</sub>)  
 Foam alcohol resistant  
 Dry chemical powder
- Extinguishing methods not recommended** : Direct water jet.
- Specific dangers** : Flammable liquid and vapour. Dangerous when exposed to heat or ignition source. Exposed packaging to the fire may rupture due to the increased pressure with risk of a subsequent explosion. The vapours are heavier than the air and spread close to the ground and it can move to the ignition source and provoke fire or backspace of the flames. Avoid the accumulation of vapours in depressions on the ground, manholes, basement etc. The vapours and/or the particles finely divided (spray) may form explosive mixtures with the air. In case of burning of the product, it forms carbon and nitrogen compounds. The inhalation of these subproducts may cause damage to health.
- Protective measures of the fire fighting team.** : The personnel involved in firefighting should wear self contained breathing apparatus with positive pressure and full protection clothes.
- Specific methods** : Evacuate and isolate the area. Approach from fire with wind at

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your back. Fight the fire to a secure distance. Remove the packaging of the product from the fire area if this can be made with safety. Chill sideways with water in form of fog all the closed packaging near the fire. Avoid that the resulting water from fire fighting reaches drains or waterways. Use dikes to contain this water and eliminate it according to environmental regulations.

## 6. SPILL / LEAK CONTROL PROCEDURES

### Personal precautions, protective equipment and emergency procedures

**Environmental precautions** : Prevent the product or the water used in the service reaches waterways, channels, drains, or galleries. In case of significant spill, retain spilled liquid with inert material such as sand or earth. In appropriate, use absorbent materials such as sawdust, rags, vermiculites, etc.

### Methods and materials for containment and cleaning

**Large spills / leaks** : Understand the dangers of leaked/spilled products. Approaching the site with the wind from behind. Stop leak if this can be done safely. Prevent from entering holes / depressions in the floor. If this happens to provide ventilation. Confine the spill in a dike away from the leak point for later disposal. Remove local packaging from the spills site. Use anti sparkling tools and explosion-proof equipment to collect the product. All equipment used when handling the product must be electrically grounded. Soak up with an inert dry material (sand, vermiculite) placing the same in a suitable container for later disposal - see chapter 13.

**Small spills / leaks** : Stop the leak if this can be done safely. Cover up spillage in a tarp to prevent the spread by wind or rain. Use antifaiscantes tools and explosion-proof equipment properly grounded to collect the product. Place the material collected in dry, clean and properly identified containers. Cap the container loosened so removing them from the spill site. Avoid formation of dust. Remove the packaging from the spill site. If there is product disposal need refer to chapter 13

Contain and collect the material of the leak with absorbent materials and non-combustible, such as sand, earth, vermiculite, calcined diatomite, etc. in a waste container in accordance with local regulations.

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## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Instructions for safe treatment** : Use individual protective equipment. Emergency showers and eye wash basins must be installed in locations of use and storage.

**Precautions for safe handling** : Use appropriate personal protective equipment - see section 8; The product handling should occur in places with good natural ventilation or with the presence of local exhaust ventilation; The electrical installations must comply with the International Electrical Commission Standards (IEC), ABNT Standards (Brazilian Association of Technical Standards), taking into account the results of the classification area study for the local and/or product installation.  
 Use anti-sparking tools when handling the product; In transfer operations, metal containers must be used and all containers must be properly grounded to avoid sparking by the accumulation of static energy; Handle and use away from hot surfaces, sparks, open flames, and other sources of ignition. Do not smoke; Do not ingest. Avoid inhalation of vapors or smoke as well as avoid contact with eyes, skin and clothing; Eating and drinking should be prohibited in the area where the material is handled, stored and processed. Workers should wash their hands before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering food areas; After use keep the product in its original packaging, sealed; Empty containers may be hazardous and should be disposed of properly. Do not reuse the packaging; Emergency showers and eye washer should be installed in the use and storage places.  
 Do not handle the product until you have read and understood all safety precautions contained in this document.

**Fire protection** : Only use in well-ventilated locations, to prevent accumulation of vapors in explosive concentrations. All conductive elements of the system, in contact with the product, must be electrically grounded. Keep away from heat and sources of ignition. Tools that do not produce sparks should be used. Do not smoke.

### Storage conditions

**Substances to be avoid** : Keep away from oxidising agents, strong acid solutions and strong alkaline solutions.

**Storage conditions** : The electrical installation must comply with NEC (National Electrical Code) or IEC (International Electrical Commission) standards and/or those of the ABNT (Brazilian Association of Technical Standards). The floor of the storage area must be impermeable, non-combustible and must have ditches that allow run off into the containment reservoir. Storage tanks must be surrounded by embankments and have drains in case of leakage.

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- Appropriate storage conditions** : Store the material in covered, dry, well ventilated and identified areas. Keep out of direct sunlight. Store in a closed container.
- Inappropriate storage conditions** : Exposed to elevated temperatures, sun and rain. Close to oxidizing agents. Close to food. Close to sources of heat and ignition.
- Materials to avoid** : Do not store with explosive materials, flammable and/or toxic gases, oxidizing, corrosive substances, or materials that may generate spontaneous combustion.

#### Secure packaging materials

- Recommended packaging materials** : Coated metal packaging  
Plastic packaging
- Packaging materials to be avoided** : Uncoated metal packaging

## 8. EXPOSURE CONTROL – PERSONAL PROTECTION

The information in this chapter contain general guidelines. Chapter 1 should be consulted for any information on the recommended use of this product in different scenarios of exposure.

- Engineering control measures** : Adequate ventilation of machinery is required, maintaining the concentration below the recommended limits of tolerance (LT) recomendados.

#### Control parameters

#### Occupational Exposure Limits

The product does not have ingredients with exposure limits based on the data available.

#### Personal protective equipment required

- Respiratory protection** : In case of the concentrations are above the indicated tolerance limits, the use of appropriated mask is necessary for this goal (half-face mask or full face mask with filter to organic vapors and acid gases).
- Eye protection** : Use hermetic goggles to protect against liquid splashes.
- Body and skin protection** : Wear antistatic clothing made of natural fibers or synthetic fibers resistant to high temperatures.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Form</b>	:	Liquid Viscous liquid
<b>State of matter</b>	:	Liquid Liquid
<b>Color</b>	:	Yellow
<b>Odour</b>	:	Distinctive Data not available.
<b>Odour limit</b>	:	Not applicable Data not available.
<b>pH</b>	:	9,0 - 9,5 8,5 - 9,5, Data not available.
<b>Melting point</b>	:	Data not available. Data not available.
<b>Boiling point</b>	:	Data not available. Data not available.
<b>Flash Point (Open cup)</b>	:	> 97 °C 97 °C
<b>Evaporation rate</b>	:	Data not available. Data not available.
<b>Inflammation point</b>	:	Method: Data not available. Method: Data not available.
<b>Upper explosive limit</b>	:	Data not available. Data not available.
<b>Lower explosive limit</b>	:	Data not available. Data not available.
<b>Vapor pressure</b>	:	Data not available. Data not available.
<b>Density</b>	:	1,75 - 1,85 g/cm <sup>3</sup>
<b>Solubility(ies)</b>	:	Soluble in water Soluble in water

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**N-octano /water partition coefficient** : Data not available.  
 Data not available.  
**Auto flammability** : Data not available.  
 Data not available.  
**Cinematic viscosity (25°C)** : 70 - 80 UK  
**Vapor density** : Data not available.  
 Data not available.  
**Decomposition temperature** :

## 10. STABILITY AND REACTIVITY

**Possibility of dangerous reactions** : Presents no reactivity at room temperature and under normal conditions of use.  
 None when the product is stored, applied and processed correctly.  
**Need to add additives and inhibitors** : Not necessary.  
**Conditions to avoid** : Extreme heat and open flame.  
**Incompatible materials** : Do not store with explosive materials, flammable and/or toxic gases, oxidizing, corrosive substances, or materials that may generate spontaneous combustion.  
**Dangerous products of decomposition** : Produces noxious gases such as carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>) and nitrogen oxides (NO<sub>x</sub>).

## 11. TOXICOLOGICAL INFORMATION

Not classified in terms of toxicity based on the data available.

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## 12. ECOLOGICAL INFORMATION

- Toxicity - Aquatic plants** : ObservationsData not available.
- Stability in soil** : The product easily infiltrates into the soil
- Elimination of chemical physical ability** : Not considered potentially bioaccumulative.
- Other toxicological observations** : Not applicable
- Ecotoxicity** : There are not expected adverse effects to the environment. Product not classified as hazardous to the aquatic environment according to the criteria of NBR 14725/2010 part II.

## 13. DIOSPOSAL AND TREATMENT CONSIDERATIONS

### Recommended methods for final disposal

- Product** : Class I Waste - Dispose of in industrial landfill or a facility authorized for recycling in accordance with federal, state or local regulations
- Waste** : Class I Waste - Dispose of in industrial landfill or a facility authorized for recycling in accordance with federal, state or local regulations
- Used packaging** : Clean packaging should be sent for recycling. Packaging with class I waste should be disposed of in industrial landfill or a facility authorized for recycling in accordance with federal, state or local regulations.

## 14. TRANSPORTATION INFORMATION

### fLand

- ONU** :
- Class of risk** : 3
- Risk number** : 30
- Packaging group** : III
- Name** Coating (including coats, lacquers, enamels, colorant, gum-lacquers, varnishes, polishes, liquid fillers and liquid lacquers)

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**Shipping**

<b>ONU</b>	:	
<b>Class of risk</b>	:	3
<b>Packaging group</b>	:	III
<b>EmS</b>	:	F-E
<b>MFAG</b>	:	310
<b>Appropriate name for dispatch</b>	:	Coating (including coats, lacquers, enamels, colorant, gum-lacquers, varnishes, polishes, liquid fillers and liquid lacquers)

**Air transport**

<b>ONU</b>	:	
<b>Class of risk</b>	:	3
<b>Packaging group</b>	:	III
<b>Appropriate name for dispatch</b>	:	Coating (including coats, lacquers, enamels, colorant, gum-lacquers, varnishes, polishes, liquid fillers and liquid lacquers)

## 15. REGULATORY INFORMATION

This MSDS (Material Safety Data Sheet) was generated according to the criteria of NBR 14725/2014. (Brazilian standard that defines the GHS).

Specific Regulations for the Chemical Product.	<p>Federal Decree No. 2657, July 3rd , 1998.</p> <p>Ordinance No. 229, May 24th, 2011 - Changes to Regulatory Standard No. 26.</p> <p>ABNT NBR 14725: 2014 - valid from 19/12/2014 - Amendment 1 (19/11/2014).</p> <p>Law No. 12305, August 2nd 2010 (Solid Waste National Policy).</p> <p>Decree No. 7404, December 23rd , 2010.</p> <p>Resolution ANTT N° 5.232, December 14th 2016.</p>
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## 16. ADDITIONAL INFORMATION

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**Acronyms Used:**

**Legenda:**

<b>CAS</b>	Chemical Abstract Service
<b>VO</b>	Organic Vapors
<b>NEC</b>	National Eletrical code/Código Nacional de Eletricidade
<b>IEC:</b>	International Eletrical Commision
<b>ABNT</b>	Brazilian Association of Technical Standards
<b>ACGIH</b>	American Conference of Governmental Industrial Hygienists
<b>TLV</b>	Threshold Limit Values
<b>TLV/TWA</b>	Time Weighted Average
<b>TLV/STEL</b>	Short Term Exposure Limit
<b>TLC/C:</b>	Tolerance Limit - Ceiling Value
<b>EPI:</b>	Individual Protective Equipment
<b>CA</b>	Approval Certificate
<b>PPRA</b>	Environmental Risk Prevention Program
<b>NR</b>	Regulatory Standard
<b>NFPA</b>	National Fire Protection Agency
<b>mmHg</b>	Millimeters of mercury - pressure unit
<b>DL50</b>	Lethal Dose average
<b>CL50</b>	Lethal Concentration average
<b>ppm</b>	Parts per million
<b>N.d</b>	Not available
<b>A+B</b>	Viscosity of the mixture of component A + component B

Important information, but not specifically described in the previous sections:  
 This MSDS was prepared based on current knowledge about the handling of the product under normal conditions of use, according to the application specified on the packaging and recommended usage in Section 1 of this MSDS. Any other use of the product involving its combination with other materials, as well as forms of use different from those indicated, are the user's responsibility. The company advises that the handling of any chemical substance requires prior knowledge of its hazards by the user. In the workplace it is responsibility of the company user of the product to provide training of its employees and contractors about the possible risks arising from exposure to the chemical.  
 We reserve the right to change the information contained in this document without prior notice, due to the improvement and continuous evolution of the product and technical knowledge.

**References** : Data not available.

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